

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20040148964"	US-PGPUB; USPAT;	OR	OFF	2011/09/20 09:26
L2	1	("20030005722").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/20 09:33
L3	28	(US-20040261452-\$ or US-20020166336-\$ or US-20100206003-\$ or US-20060144081-\$ or US-20020157538-\$ or US-20040148964-\$ or US-20030005722-\$).did. or (US-5685170-\$ or US-6564580-\$ or US-7051553-\$ or US-6516631-\$ or US-5890378-\$ or US-4509967-\$ or US-6116050-\$ or US-7377127-\$ or US-6526777-\$ or US-6272882-\$ or US-5791160-\$ or US-4230533-\$ or US-4526657-\$ or US-3840437-\$ or US-3428528-\$ or US-5992175-\$ or US-6244070-\$ or US-4319330-\$).did. or (US-3397138-\$ or US-3322650-\$ or US-3224947-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/20 10:23
L4	3	l3 and "JT"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/20 10:23
L5	3	l3 and ("JT" or "joule \$thompson")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/20 10:28
S1	1	(10/574671).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/16 16:01

S2	265	(john and mak).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:01
S3	50	((("20020004534") or ("20040025535") or ("20040148964") or ("20040167371") or ("20040250569") or ("20040254412") or ("20040261452") or ("20050113467") or ("20060000234") or ("20070240450") or ("20080182999") or ("20080202162") or ("20080271480") or ("20090087368") or ("20090173103") or ("20090223804") or ("20090282864") or ("20100287982") or ("20100287985") or ("20110138854") or ("3607734") or ("3711569") or ("3904656") or ("3967937") or ("4212726") or ("4402795") or ("4831203") or ("4831204") or ("4831205") or ("4990712") or ("5019143") or ("5082990") or ("5315832") or ("5521264") or ("5546764") or ("5561988") or ("5681360") or ("5681908") or ("5786443") or ("6244070") or ("6395952") or ("6461413") or ("6483000") or ("6824682") or ("6837070") or ("7051553") or ("7069744") or ("7073350") or ("7216507") or	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 09:02

		("7674444"))).PN.				
S4	50	((("20010052241") or ("20040148964") or ("20040261452") or ("20050204774") or ("20060150672") or ("20060260355") or ("20070157663") or ("20070240450") or ("20080271480") or ("20100024477") or ("20100206003") or ("20110036120") or ("4318723") or ("4451275") or ("4459142") or ("4474591") or ("4589896") or ("4617038") or ("4622053") or ("4846863") or ("4869740") or ("4889545") or ("4948404") or ("5275005") or ("5335504") or ("5555748") or ("5561988") or ("5588308") or ("5678424") or ("5685170") or ("5687584") or ("5724833") or ("5771712") or ("5799507") or ("5806339") or ("5881569") or ("5884504") or ("5983664") or ("5992175") or ("6116050") or ("6182469") or ("6453698") or ("6526777") or ("6662589") or ("7051553") or ("7069744") or ("7159417") or ("7191617") or ("7219513") or ("7257966"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 09:03

S5	274	(62/612).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:16
S6	180	(62/611).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:16
S7	733	(62/618-620).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:17
S8	135	(62/621).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:18
S9	189	(62/623).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:18
S10	248	(62/628).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:18
S11	347	(62/630).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:18
S12	1	("5685170").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 09:30
S13	2	((("6742358") or ("6564580")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 09:31

S14	35	("4157904"   "4278457"   "4473385"   "4559070"   "4657571"   "4680042"   "4687499"   "4695303"   "4695672"   "4696688"   "4698081"   "4832718"   "4851020"   "4854955"   "4869740"   "4883515"   "4889545"   "5275005"   "5325673").PN. OR ("5685170").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 09:35
S15	1871	(62/611,612,618- 621,623,628,630).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:40
S16	27	S15 and (adjust\$3 adj5 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:40
S17	18	S15 and (adjust\$3 adj2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:41
S18	1524	(62/618-621,623,628,630). CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 09:46
S19	0	(10/595528).APP.	USPAT; USOCR	OR	OFF	2011/09/17 09:56
S20	5	((("6516631") or ("5890378") or ("20040261452") or ("4509967") or ("20020166336")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 10:08

S21	78	("20020166336"   "20030005722"   "20030158458"   "20040079107"   "2952984"   "3292380"   "3837172"   "4061481"   "4140504"   "4157904"   "4171964"   "4185978"   "4251249"   "4278457"   "4445917"   "4519824"   "4525185"   "4545795"   "4600421"   "4617039"   "4687499"   "4689063"   "4690702"   "4707170"   "4710214"   "4755200"   "4851020"   "4854955"   "4869740"   "4889545"   "4895584"   "5114451"   "5275005"   "5291736"   "5363655"   "5365740"   "5555748"   "5566554"   "5568737"   "5600969"   "5615561"   "5651269"   "5755114"   "5755115"   "5771712"   "5799507"   "5881569"   "5890378"   "5893274"   "5983664"   "6014869"   "6023942"   "6053007"   "6062041"   "6116050"   "6119479"   "6125653"   "6182469"   "6250105"   "6269655"   "6272882"   "6308531"   "6324867"   "6336344"   "6347532"   "6363744"   "6367286"   "6526777"   "6712880"   "6742358"   "RE33408").PNL OR ("7191617").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/17 10:12
S22	265	(john and mak).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 10:23
S23	46	S22 and cryo\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/17 10:23

S24	20	S23 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/17 10:28
S25	6	("3322650").URPN.	USPAT	OR	OFF	2011/09/19 10:22
S26	30	("3322650"   "3342702"   "3361646"   "3392088"   "3411308"   "3415720"   "3420748"   "3428527"   "3428528"   "3449215"   "3619377"   "3793157"   "3840437").PN. OR ("3905873").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/19 10:29
S27	11	("3224947").URPN.	USPAT	OR	OFF	2011/09/19 10:33
S28	623	(231/1-3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:46
S29	0	S28 and (adjust\$3 adj2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:46
S30	134	(62/657).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:48
S31	36	S30 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:48
S32	1871	(62/611,612,618- 621,623,628,630).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:57

S33	20	S32 and (control\$3 adj2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/19 10:57
S34	0	(10/595528).APP.	USPAT; USOCR	OR	OFF	2011/09/19 11:00
S35	33	("3592015"   "4171964"   "4251249"   "4278457"   "4318723"   "4350511"   "4596588"   "4617038"   "4680042"   "4687499"   "4690702"   "4692179"   "4698081"   "4851020"   "4885063"   "5275005"   "5421165"   "5566554"   "5588306"   "5600969"   "5737940"   "5779863"). PN. OR ("5992175"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/19 11:02
S36	17	("20020157538"   "20030221447"   "4157904"   "4171964"   "4278457"   "4519824"   "4689063"   "4690702"   "4854955"   "5771712"   "5992175"   "6244070"   "6354105"   "6401486"   "6425266"   "6516631"   "6823692").PN. OR ("7069744").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/19 11:09
S37	10	S35 and ratio	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/19 11:14
S38	1	"11787803"	US-PGPUB; USPAT	OR	OFF	2011/09/19 15:49

**EAST Search History (Interference)**

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**9/ 20/ 2011 11:09:35 AM****C:\ Documents and Settings\ Ibaldrige\ My Documents\ EAST\ Workspaces\ 10574671.wsp**